

ABSTRACT

5 A gas blocking device is used in an optical fiber repeater
or other device to prevent the passage of gas, for example, to
prevent nitrogen from escaping from a pressurized housing through
a fiber holding tube or pigtail. The gas blocking device
10 includes a fiber containing body, a fiber organizing insert, and
a locking member securing the insert to one end of the body. The
fiber containing body is attached to one end of the fiber holding
tube. The fibers extend from the fiber holding tube through a
passageway in the body, and each of the fibers extends through a
15 fiber receiving hole in the fiber organizing insert. The insert
engages the body such that the insert is prevented from rotating
with respect to the body and the fibers are protected against
microbending and other damage. A material, such as hot melt
glue, fills at least a portion of the body and surrounds the
fibers to block the gas from entering the fiber holding tube.